

PTO/SB/D&A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/733,998		
		Filing Date	December 10, 2003		
		First Named Inventor	Jing Chung Chang		
		Group Art Unit	Unknown		
		Examiner Name	Unknown		
Sheet	1	of	1	Attorney Docket Number	SO-0007 US NA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup>	(if known)			
LBT		US -	6,109,015	08/29/2000	Roark et al.	
LBT		US -	5,187,845	02/23/1993	Duffy et al.	
LBT		US -	2002/0012763 A1	01/31/2002	Chuah	
LBT		US -	2001/0030378 A1	10/18/2001	Howell et al.	
LBT		US -	6,254,961 B1	07/03/2001	Chuah	
LBT		US -	2002/0130433 A1	09/19/2002	Hwo et al.	
LBT		US -	6,113,825	09/05/2000	Chuah	
LBT		US -	6,242,091 B1	06/05/2001	Howell et al.	
LBT		US -	6,423,407 B1	07/23/2002	Abe et al.	
LBT		US -	4,257,604	03/24/1981	Grabel et al.	
LBT		US -	5,662,980	09/02/1997	Howell et al.	
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				

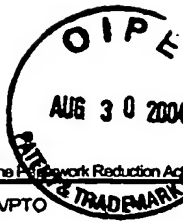
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Codes <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LBT		✓	EP 1016741 A1		07/05/2000	Asahi		<input type="checkbox"/>
LBT		✓	EP 0745 711 A1		12/04/1996	Shell Internationale Research Maatschappij B.V.		<input type="checkbox"/>
LBT		✓	JP2000178828A		06/27/2000	Unitika Ltd.		<input type="checkbox"/>
LBT		✓	JP2001262435A		09/26/2001	Asahi Kasei Corp.		<input type="checkbox"/>
LBT		✓	WO 01/68962 A2		09/20/2001	Shell Oil Company		<input type="checkbox"/>
LBT		✓	WO 01/07693 A1		02/01/2001	Lurgi Zimmer		<input type="checkbox"/>
LBT		✓	WO 02/18684 A1		03/07/2002	Prisma Fibers Inc.		<input type="checkbox"/>
LBT		✓	WO 2002/22925 A1		03/21/2002	E.I. DuPont De Nemours and Company		<input type="checkbox"/>

Examiner Signature	/Leo B. Tentoni/	Date Considered	06/03/2006
--------------------	------------------	-----------------	------------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/733998
Filing Date	December 10, 2003
First Named Inventor	JING C. CHANG
Group Art Unit	3765
Examiner Name	Unassigned
Attorney Docket Number	SO0007USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code <sup>2</sup> (if known)			
LBT		US -	3,584,103	06-08-1971	Harris	
LBT		US -	3,681,188	08-01-1972	Harris	
LBT		US -	5,645,782	07-08-1997	Howell et al.	
LBT		US -	5,782,935	07-21-1998	Hirt et al.	
LBT		US -	6,312,805	11-06-2001	Sun	
LBT		US -	6,383,632	05-07-2002	Howell et al.	
LBT		US -	6,458,455 B1	10-01-2002	Hernandez et al.	
LBT		US -	6,539,596 B1	04-01-2003	Hwo et al.	
LBT		US -	6,576,340	06-10-2003	Sun et al.	
LBT		US -	6,685,859	02-03-2004	Howell et al.	
LBT		US -	6,740,276	05-25-2004	Agarwal et al.	
LBT		US -	6,752,945 B2	06-22-2004	Hernandez et al.	
LBT		US -	2002/0071951 A1	06-13-2002	Hernandez et al.	
LBT		US -	2002/0153691 A1	10-24-2002	Hernandez et al.	
LBT		US -	2004/0001950 A1	01-01-2004	Chang et al.	
LBT		US -	2004/015904 A1	08-05-2004	Ding et al.	
		US -				
		US -				
		US -				
		US -				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>e</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
LBT		GB	1254826	11-24-1971	Fiber Industries		<input type="checkbox"/>
LBT		JP	11-089869	04-06-1999	Asahi		<input checked="" type="checkbox"/>
LBT		JP	11-107149	04-20-1999	Asahi		<input checked="" type="checkbox"/>
LBT		WO	02/14999 A2	03-28-2002	Shell		<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>

Examiner  
Signature

/Leo B. Tentoni/

Date  
Considered

06/03/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Subsidiary Form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2

of 2

**Complete If Known**

Application Number	10/733998
Filing Date	December 10, 2003
First Named Inventor	JING C. CHANG ET. AL.
Group Art Unit	3785
Examiner Name	Unassigned
Attorney Docket Number	SO0007USNA

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LBT		International Search Report (Date mailed: May 28, 2004)	<input type="checkbox"/>
LBT		C. Hwo et al., "Nonwovens from Poly(Trimethylene Terephthalate) Staple", www.corterra.com Shell (2000)	<input type="checkbox"/>
LBT		Corterra® Polymers, "Textile Staple Production", www.corterra.com Shell (2000)	<input type="checkbox"/>
LBT		H.S. Brown et al., "Poly(Trimethylene Terephthalate) Polymers for Fibers", www.shellchemicals.com/corterra (Shell Chemicals 1999)	<input type="checkbox"/>
LBT		Corterra® Polymers, "The Very Fiber of Performance", www.shellchemicals.com/corterra (Shell Chemicals Ltd. 1999)	<input type="checkbox"/>
LBT		F. Wemy et al., "CorterraPTT - A New Polymer for the Carpet Industry", www.shellchemicals.com/corterra (Shell Chemicals Ltd. 1999)	<input type="checkbox"/>
LBT		H. Chuah et al., "CORTERRA Poly(trimethylene terephthalate) - New Polymeric Fiber for Carpets", www.shellchemicals.com/corterra (Shell Chemicals Ltd. 1999)	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	/Leo B. Tentoni/	Date Considered	06/03/2006
--------------------	------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.